

Material Safety Data Sheet

J. R. Simplot Company

AgriBusiness

Trade Name: 9 Iron Minis 9-9-9
Registration No: None

M74098

SECTION 1

CHEMICAL PRODUCT AND COMPANY INFORMATION

Manufacturer or Formulator: J.R. Simplot Company
P.O. Box 70013
Boise, ID 83707
Product Name: 9 Iron Minis 9-9-9
Common Name: 9-9-9
Chemical Type: Micronutrient
Emergency Phone - Chemtrec: 1-800-424-9300

SECTION 2

COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name and Synonyms	C.A.S. No.	Chemical Formula	WT% Hazardous	TLV	PEL
None					
			Non-Hazardous		
This is a homogeneous granular product containing:			100%	10 mg/m ³ Nuisance Dust	15 mg/m ³ Nuisance Dust
Ammonium Sulfate	7783-20-2	(NH ₄) ₂ SO ₄			
Mono-ammonium Phosphate	7722-76-1	NH ₄ H ₂ PO ₄			
Sulfate of Potash	7778-80-5	K ₂ SO ₄			
Iron Oxsulfate	not listed	not listed		1 mg/m ³ (soluble, as Fe)	Not listed

SECTION 3

HAZARDS IDENTIFICATION

Ingestion: Minimal hazard under normal use. Ingestion of large doses may cause gastrointestinal discomfort, purging, blood pressure effects, and other systematic effects.
Inhalation: Excess dust may cause respiratory discomfort. Possible chronic toxic effects may result from long term inhalation of dust.
Eye Contact: Dust from product may cause a moderate to severe discomfort to eyes.
Skin Absorption: Not listed
Skin Contact: Prolonged exposure may cause slight to mild skin abrasion especially around cuffs and collars.
Effects of Overdose: Not listed

SECTION 4

FIRST AID MEASURES

Ingestion: If ingested, give large quantities of water and induce vomiting. Call a doctor.
Inhalation: Remove to fresh air. Seek medical attention if condition persists.
Eyes: Flush with running water for at least 15 minutes. Seek medical attention if condition persists.
Skin: Wash with soap and water. If condition persists, consult a physician.

SECTION 5

FIRE FIGHTING MEASURES

Extinguishing Media: Use media suitable to extinguish source of fire.
Special Fire Fighting Procedures: Approach fire from upwind. Wear self-contained breathing apparatus in enclosed areas. Use water spray to cool fire exposed surfaces and to knock down hazardous fumes.
Unusual Fire and Explosion Hazards: When heated to decomposition, may emit hazardous fumes of SO_x and ZnO.

SECTION 6

ACCIDENTAL RELEASE MEASURES

Environmental Precautions: Do not contaminate any body of water by direct application, cleaning of equipment or disposal. It may promote algae growth in waterways.
Steps to be taken in case material is released or spilled: Keep out of sewers and waterways. Can be used as a fertilizer by applying to soil using good agricultural and soil management.

SECTION 7

HANDLING AND STORAGE

Precautions to be taken in handling and storing: Store in dry area. Mildly corrosive to copper, brass, alloys and metals. Keep out of reach of children.

SECTION 8

EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation Protection: Adequate ventilation to control dust.
Respiratory Protection: In dusty conditions, wear an approved dust mask.
Protective Clothing: Gloves as needed.
Eye Protection: Safety glasses or goggles.

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SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	Not applicable	Solubility in Water:	Soluble
Density:	75 lbs/ft ³	% Volatiles (by volume):	Not applicable
Flashpoint:	Non-flammable	Vapor Pressure, mm Hg:	Not applicable
pH:	6.1 - 6.2	Reaction with Water:	None
Appearance:	Granular, gray color.		
Extinguishing Media:	Use media suitable to extinguish source of fire.		

SECTION 10

STABILITY AND REACTIVITY

Stability (Normal Conditions):	Stable
Conditions to Avoid:	Not applicable
Incompatibility (Material to Avoid):	None known.
Hazardous Decomposition Products:	When heated to decomposition, may emit hazardous fumes of SO _x and ZnO.
Hazardous Polymerization:	Will not occur

SECTION 11

TOXICOLOGY INFORMATION

	<u>Oral LD50 (rat)</u>	<u>Dermal LD50 (rat)</u>	<u>Aquatic Fish 96-hour</u>	<u>Aquatic (other)</u>
Mono-ammonium Phosphate	> 2,000 mg/kg	> 5,000 mg/kg	> 86 mg/L (rainbow trout)	none listed
Ammonium Sulfate	640-4,250 mg/kg	> 2,000 mg/kg	> 13.6-159.8 mg total NH ₃ /L	> 27.0 mg/total NH ₃ /L (daphnia)
Potassium Sulfate	6,600 mg/kg	none listed	680-3,550 mg/L	720-890 mg/L (daphnia)
All toxicity data from TFI Product Testing Results.				

SECTION 12

ECOLOGICAL INFORMATION

None listed.

SECTION 13

DISPOSAL CONSIDERATIONS

Waste Disposal Procedures: Pick up with shovel and broom or use as fertilizer by applying to soil using good agricultural and soil management.

SECTION 14

TRANSPORT INFORMATION

Shipping name:	Not regulated by D.O.T.	C.A.S. Number:	See "Ingredients"
Hazard Class:	None	D.O.T. Number:	None
Reportable Quantity (RQ):	None	Haz Waste No :	None
Labels Required:	None	EPA Regist No:	None
Placard:	None		

SECTION 15

REGULATORY INFORMATION

Carcinogenicity: by IARC?: Yes () No (X) by NTP?: Yes () No (X)

Not on the 302 list of SARA reportable quantities.

SECTION 16

OTHER INFORMATION

Flash Point (Test Method):	Non-flammable	Flammable Limits	LOWER	UPPER
Autoignition Temperature:	Not combustible	(% BY VOLUME)	N/A	N/A
Hazard Rating (N.F.P.A.):	Health: 1	Fire: 0	Reactivity: 0	Specific: Not applicable
This N.F.P.A. rating is a recommendation by the manufacturer using the guidelines or published evaluations prepared by the National Fire Protection Association (N.F.P.A.).				

MSDS Version Number: 2 (revisions to Sections 2 & 9)

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Reviewed by: The Environmental Health & Safety Department
May 2006 (208) 389-7394